

**RESPONSE UNDER 37 CFR 1.116**

Appl. No. 09/752,664

Amendment dated June 22, 2004

Reply to Office Action mailed April 22, 2004

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims** (deleted text being struck through and added text being underlined):

- 1           1. (Currently Amended) A system for providing extended  
2 functionality for a Home Audio Video Interoperability (HAVi)  
3 compatible device, the HAVi compatible device being connectable  
4 to a HAVi network, the extended functionality defined by control  
5 data stored on a remote server external to the HAVi network, the  
6 remote server being connected to an external network, the external  
7 network comprising a network external to the HAVi network,  
8 comprising:  
9           an external network connection device for providing data  
10 communications between the HAVi network and the remote server;  
11 the external network connection device connectable to the external  
12 network; the external network connection device for receiving the  
13 control data;  
14           a control module for providing the extended functionality for  
15 the HAVi compatible device based on the control data; and  
16           wherein the HAVi compatible device comprises a disk player  
17 not having built in ability for presenting content information for a  
18 disk inserted into the disk player, and wherein the control data is  
19 for presenting content information about content on the disk to the  
20 user.
- 1           2. (Original) The system of claim 1 wherein the control  
2 module comprises a functional control module.

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1           3. (Original) The system of claim 2 wherein the control  
2 module further comprises a device control module.

1           4. (Original) The system of claim 3 wherein the device control  
2 module comprises a processor connected to the HAVi network, the  
3 processor having a memory module for storing the device control  
4 module; the processor further comprising the external network  
5 connection device.

1           5. (Original) The system of claim 4 wherein the processor is  
2 for presenting the device control module to a user of the HAVi  
3 network for providing the user with the capability of controlling the  
4 HAVi compatible device with the extended functionality.

1           6. (Original) The system of claim 1 wherein the HAVi  
2 compatible device comprises a legacy device wherein the extended  
3 functionality is for causing the HAVi compatible device to function  
4 as a contemporary device with respect to a user of the HAVi  
5 network.

1           7. (Previously Presented) The system of claim 1 wherein the  
2 disk player of the HAVi compatible device comprises a compact  
3 disk player not having built in ability for presenting artist and song  
4 information for a compact disk inserted into the compact disk  
5 player, and wherein the content information comprises artist and  
6 song information for the compact disk.

1           8. (Original) The system of claim 7 wherein the control data  
2 comprises artist and song information matched to one or more  
3 identification codes read from the compact disk such that the artist  
4 and song information may be presented to the user for selection.

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1           9. (Previously Presented) A system comprising a first usable  
2 device comprising one of a plurality of usable devices capable of  
3 being connected to a local network, each usable device being  
4 capable of receiving commands from a user of the local network:  
5           an external network connection device for providing data  
6 communications between the local network and a remote server  
7 connected to an external network, the external network connection  
8 device connectable to the external network, the external network  
9 connection device for receiving control data from the remote server,  
10 the control data defining extended functionality for a first of the  
11 one or more of the plurality of usable devices; and  
12           a control module for providing the extended functionality for  
13 the first usable device based on the control data;  
14           wherein the control data comprises content information  
15 retrieved from the remote server about content stored on a medium  
16 located on the first usable device, the extended functionality  
17 comprising a capability of the first usable device to present the  
18 content information on the first usable device.

1           10. (Original) The system of claim 9 wherein a second of the  
2 plurality of usable devices comprises a processor having a device  
3 control module.

1           11. (Original) The system of claim 10 wherein the device  
2 control module comprises a first functional control module, the  
3 device control module for presenting the extended functionality to a  
4 user of the processor for controlling the first usable device, thereby  
5 allowing the user to use the extended functionality.

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1           12. (Original) The system of claim 10 wherein the extended  
2 functionality comprises a plurality of extended functions for  
3 controlling the first usable device; two or more device control  
4 modules each comprising a plurality of functional control modules,  
5 each functional control module comprising a subset of the plurality  
6 of extended functions, the plurality of usable devices comprising  
7 two or more processors, each of the device control modules for  
8 presenting selectively to one of the two or more processors, thereby  
9 allowing a user of each of the two or more processors to control the  
10 first device based on the respective subset of extended functions of  
11 the respective functional control modules of the device control  
12 module presented to the respective processor.

1           13. (Currently Amended) A method for providing extended  
2 functionality for a Home Audio Video Interoperability (HAVi)  
3 compatible device, the HAVi compatible device being connectable  
4 to a HAVi network, the extended functionality defined by control  
5 data stored on a remote server external to the HAVi network, the  
6 remote server being connected to an external network, the external  
7 network comprising a network external to the HAVi network, the  
8 method comprising the steps of:  
9           providing data communications between the HAVi network and  
10 the remote server;  
11           receiving the control data from the remote server;  
12           providing the extended functionality for the HAVi compatible  
13 device based on the control data;  
14           wherein the HAVi compatible device comprises a legacy  
15 device wherein the extended functionality is for causing the HAVi  
16 compatible device to function as a contemporary device with respect  
17 to a user of the HAVi network; and

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18 wherein the HAVi compatible device comprises a compact disk  
19 player not having built in ability for presenting artist and song  
20 information for a compact disk inserted into the compact disk  
21 player, and wherein the control data is for presenting artist and song  
22 information for the compact disk to the user.

1 14. (Original) The method of claim 13 comprising providing  
2 the user with the capability of controlling the HAVi compatible  
3 device with the extended functionality.

15. (Cancelled)

16. (Cancelled)

1 17. (Previously Presented) The method of claim 13  
2 comprising reading one or more identification codes from the  
3 compact disk and matching the one or more identification codes  
4 with the control data to present the artist and song information such  
5 that the artist and song information may be presented to the user for  
6 selection based on the identification code.

1 18. (Previously Presented) The method of claim 13 further  
2 comprising:  
3 reading an identification code from the compact disk by the legacy  
4 device;  
5 providing the identification code to a control module for the legacy  
6 device;  
7 forwarding the identification code to the remote server;  
8 matching the identification code from the compact disk to an  
9 identification code in a control data record on the remote server;  
10 transmitting artist and song information for the compact disk from  
11 the control data record to the control module; and

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12           presenting the artist and song information to the user.

1           19. (Previously Presented) The system of claim 1 wherein the  
2 control module comprises a functional control module and further  
3 comprises a device control module;

4           wherein the device control module comprises a processor  
5 connected to the HAVi network, the processor having a memory  
6 module for storing the device control module; the processor further  
7 comprising the external network connection device, the processor  
8 being for presenting the device control module to a user of the  
9 HAVi network for providing the user with the capability of  
10 controlling the HAVi compatible device with the extended  
11 functionality;

12           wherein the HAVi compatible device comprises a legacy  
13 device wherein the extended functionality is for causing the HAVi  
14 compatible device to function as a contemporary device with respect  
15 to a user of the HAVi network;

16           wherein the disk player of the HAVi compatible device  
17 comprises a compact disk player not having built in ability for  
18 presenting artist and song information for a compact disk inserted  
19 into the compact disk player, and wherein the content information  
20 comprises artist and song information for the compact disk; and

21           wherein the control data comprises artist and song information  
22 matched to one or more identification codes read from the compact  
23 disk such that the artist and song information may be presented to  
24 the user for selection.

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